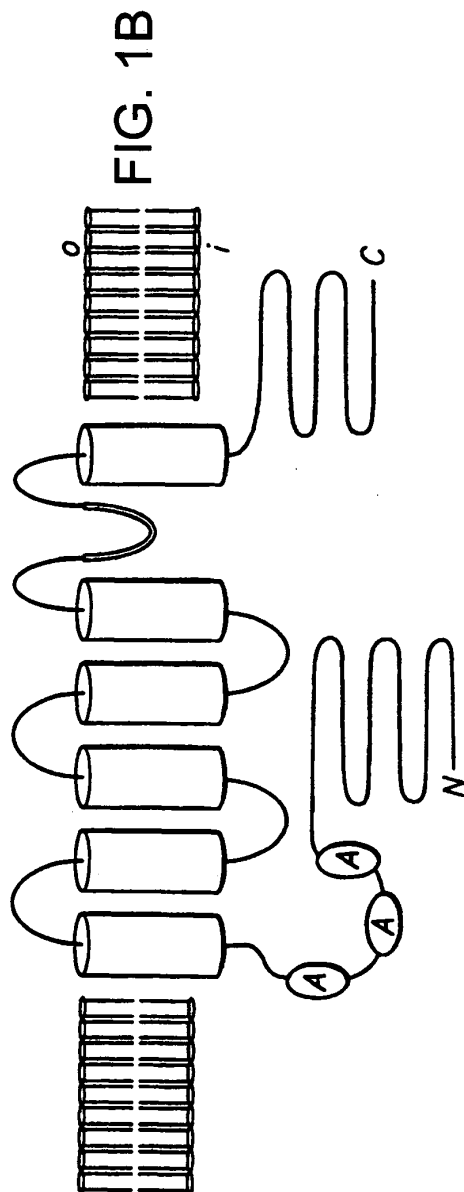


FOSTP CDEB/650

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TRLFGKGDSEEA SPLDCPYEEGGLASCPIITVSSVLTIQRPDGPAS 93  
VRPSSQDSVSAGEKPPRLYDRRSIFDAVAQSNQCQELSLPFLQRSK 140  
KRLTIDSEFKDPE TCKTCLLKAMLNHNGQNDTIALLLDVARKTDSLK 187  
QFVNASYTDSYY KGGQTALHIAIERRM TLLVENGADVQAAANGD 234  
FFKKT KGRPGFY FGELPLSLAACTNQLAIVKFLQNSWQPADISAR D 281  
SVGNTVLHALVEVADNTVDNTKFTVTSMYNEILILGAKLHPTLKLEEIT 329  
NRKGLTPLALAASSGKIGVLAYILQREIHEPECRH LSRKFTEWAYGCP 376  
VHSSLYDLSCIDTCEKNSVLEVIAYSSSETPNRRHDMLLVEPLNRLLO 423  
DKWDRFVKR IFYFNFFVYCLYMIIFTAAAYY RPYVEGLPPYKLNKNTVG 470  
DYFRVTGEI LSVSGGVYFFFRG IQY FLQRRPSLKSLFVD SYSEILFFV 518  
QSLFMLVSVVLYF SQRKEYVASMV FSLAMGW TNMLYYTRCGFQQMGI 564  
YAVMI EKMI LRD LCRFMFVYL VFLFCFSTAVV TLI EDGKNNSLPME ST 612  
PHKCRGSACKP GNSYNSLYSTCLLELFKF TIGMG DLEFTENYD FKA V F 659  
ILLAYVILT YILLNMLIALMGE TVNKIAQESKNIWKLQRAITILDTE 709  
KSFLKCMRKAF RSGKLLQVGFTPDGKDDYRWCFRVDEVNWT TWNT 754  
NVGIINEDPGNCEGVKRTL SFSLSRSGRVSGRNWKNFALVPLLRDAST 801  
RDRHATQQEEVQLKH YTGSLKPEDAEVFKDS MVPGEK SEQ ID NO: 2 838

FIG. 1A

**FIG. 1C**

<i>rat VR1</i>	636	E L F K F T I G M G D L . . . E F T E N Y D F K A . V F I L L L . A Y V I L T	670
<i>human T12251</i>		E L F K F T I G M G E L . . . A F Q E Q L H F R G . M V L L L L L . A Y V L L T	
<i>Caliphora z80230</i>		S L F W A S F G L V D L V S F D L A G I K S F T R . F W A L L L M F G S Y S V I N	
<i>Drosophila TRP</i>		S L F W A S F G L V D L V S F D L A G I K S F T R . F W A L L L M F G S Y S V I N	
<i>Bovine x99792</i>		S L F W S I F G L I N L Y V T N V K A Q H E F T E . F V G A T M F G T Y N V I S	
<i>C. Elegans z72508</i>		R T F I M T I G E F S V L Y R E M S A C D N F W M K W I G K L I F V I F E T F V	
<i>rat VR1</i>	671	Y I L L L N M L I A L M G E T V N K I A Q E S K N I W K L Q R A I T I L	706
<i>human T12251</i>		Y I L L L N M L I A L M S E T V N S V A T T I D	
<i>Caliphora z80230</i>		I I V L L N M L I A M M S N S Y Q I I I S E R A D V E W K F A R S Q L W M	
<i>Drosophila TRP</i>		I I V L L N M L I A M M S N S Y Q I I I S E R A D T E W K F A R S Q L W M	
<i>Bovine x99792</i>		L V V L L N M L I A M M N N S Y Q L I A D H A D I E W K F A R T K L W M	
<i>C. Elegans z72508</i>		S I L Q F N L L I A M M T R T Y E T I F L	

(SEQ ID NO: 14)  
(SEQ ID NO: 15)  
(SEQ ID NO: 16)  
(SEQ ID NO: 17)  
(SEQ ID NO: 18)  
(SEQ ID NO: 19)

*capsaicin 1  $\mu$ M*

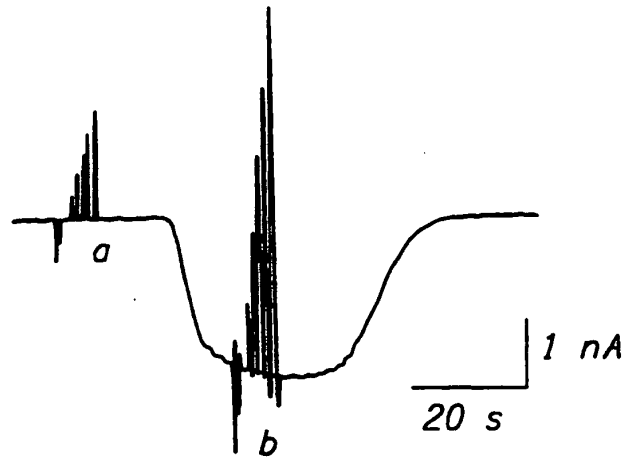


FIG. 2

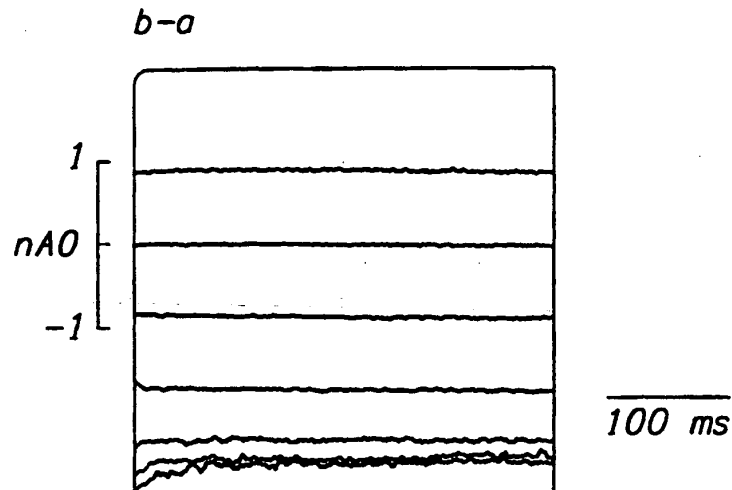


FIG. 3

05978303-10504  
 F05F01-50582650

09378303 101504

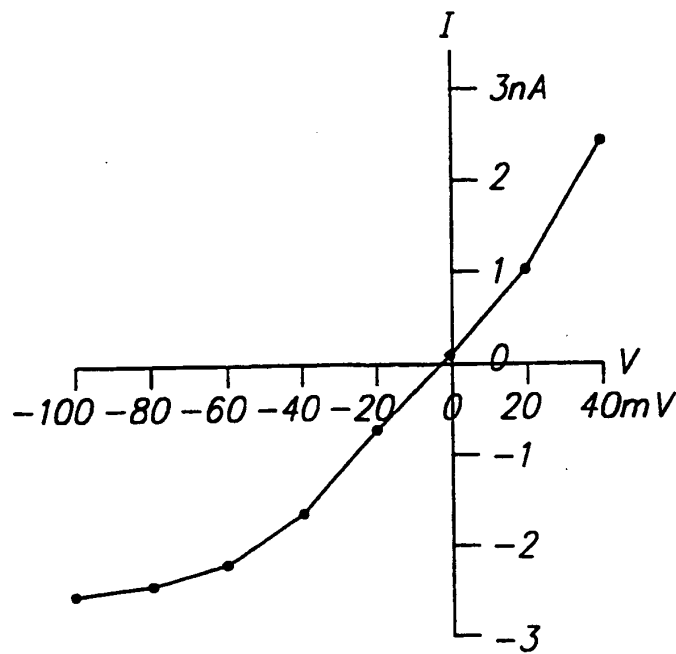


FIG. 4

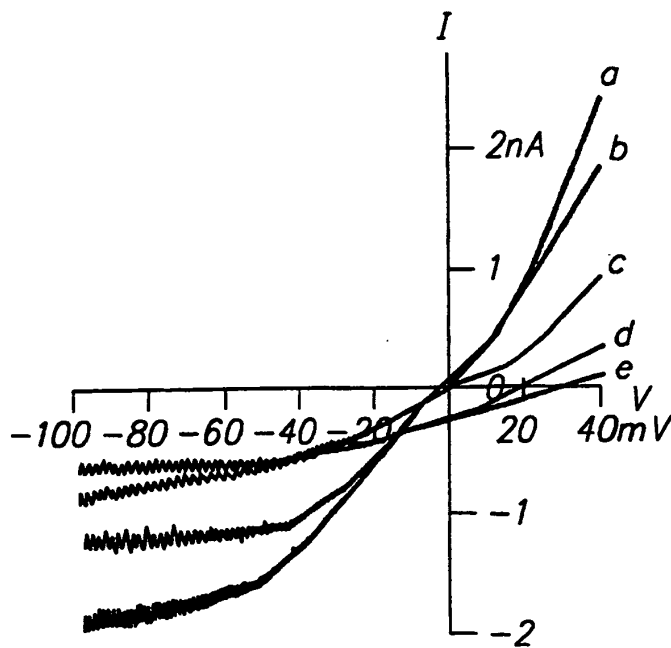
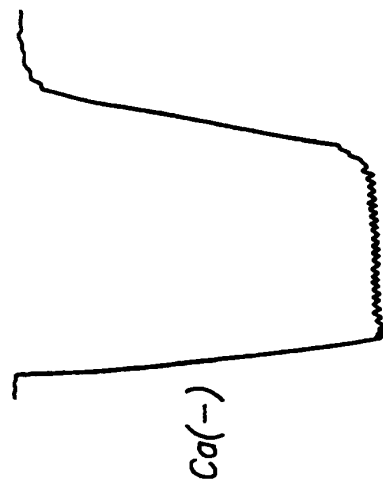


FIG. 5

FIG. 6A

capsaicin 1  $\mu$ M



Ca(-)

FIG. 6A

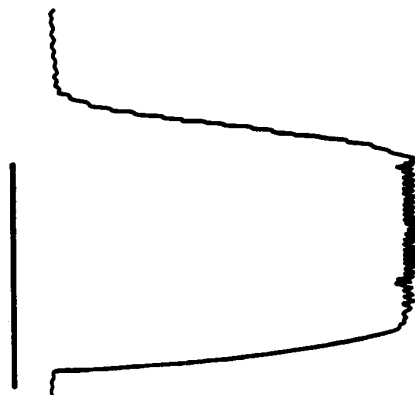


FIG. 6B

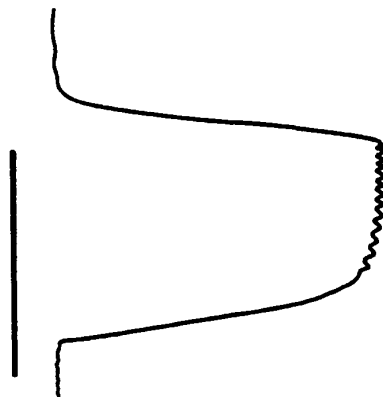
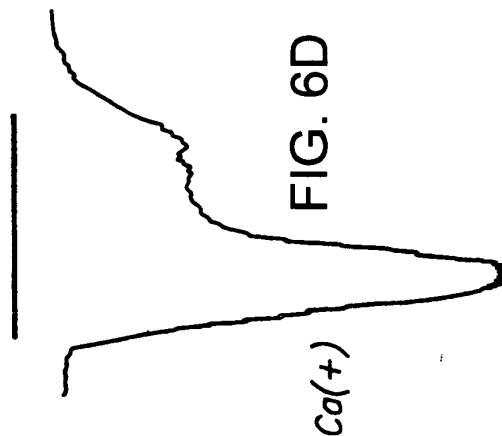


FIG. 6C



Ca(+)

FIG. 6D

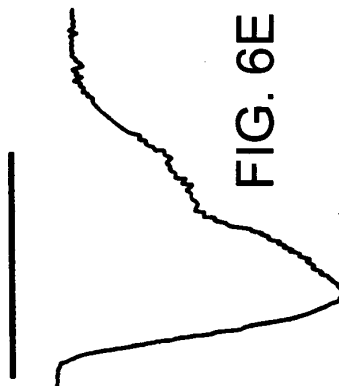


FIG. 6E

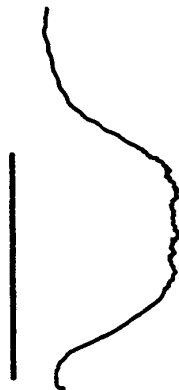
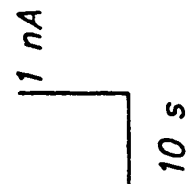


FIG. 6F



FOOTNOTES

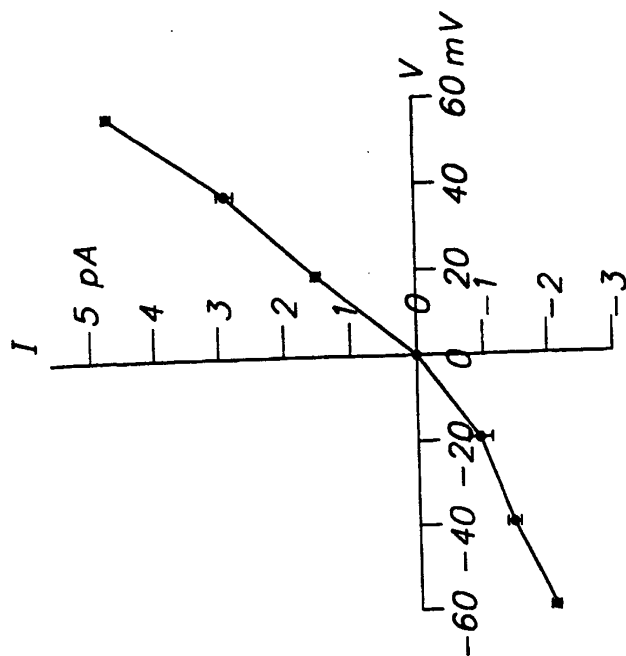


FIG. 8

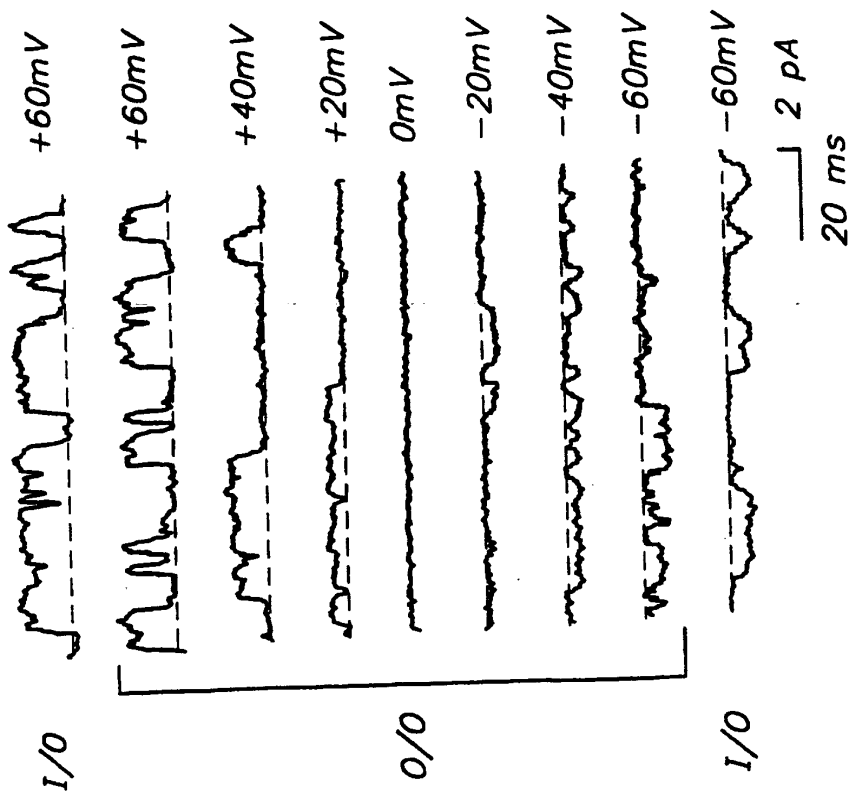
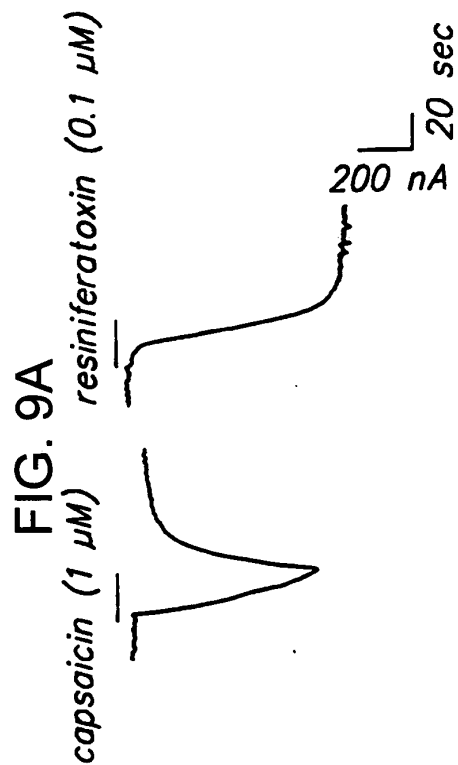


FIG. 7

FIG. 9A



**FIG. 10A**

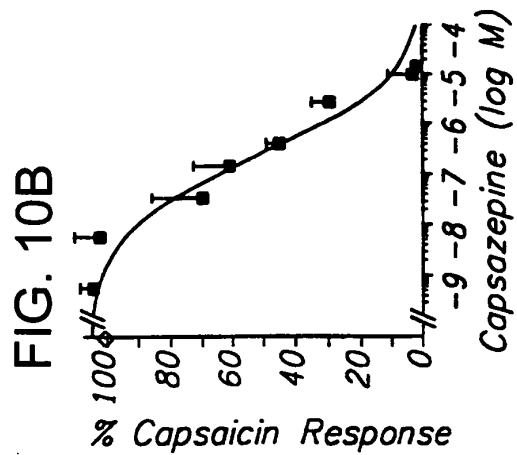
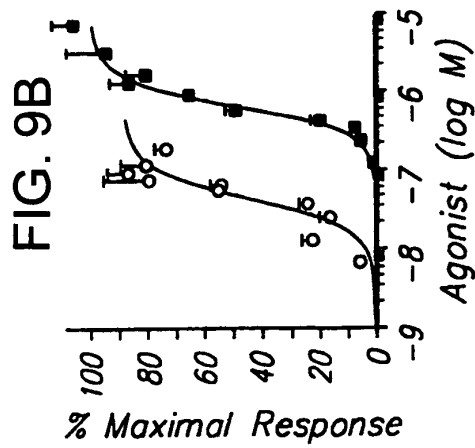
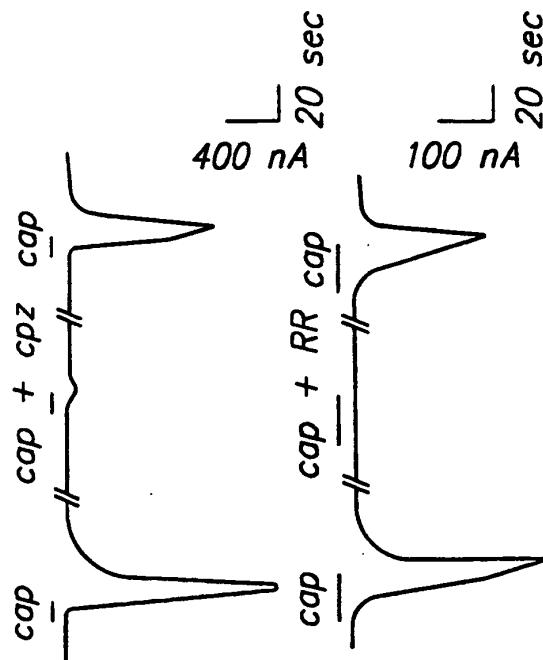
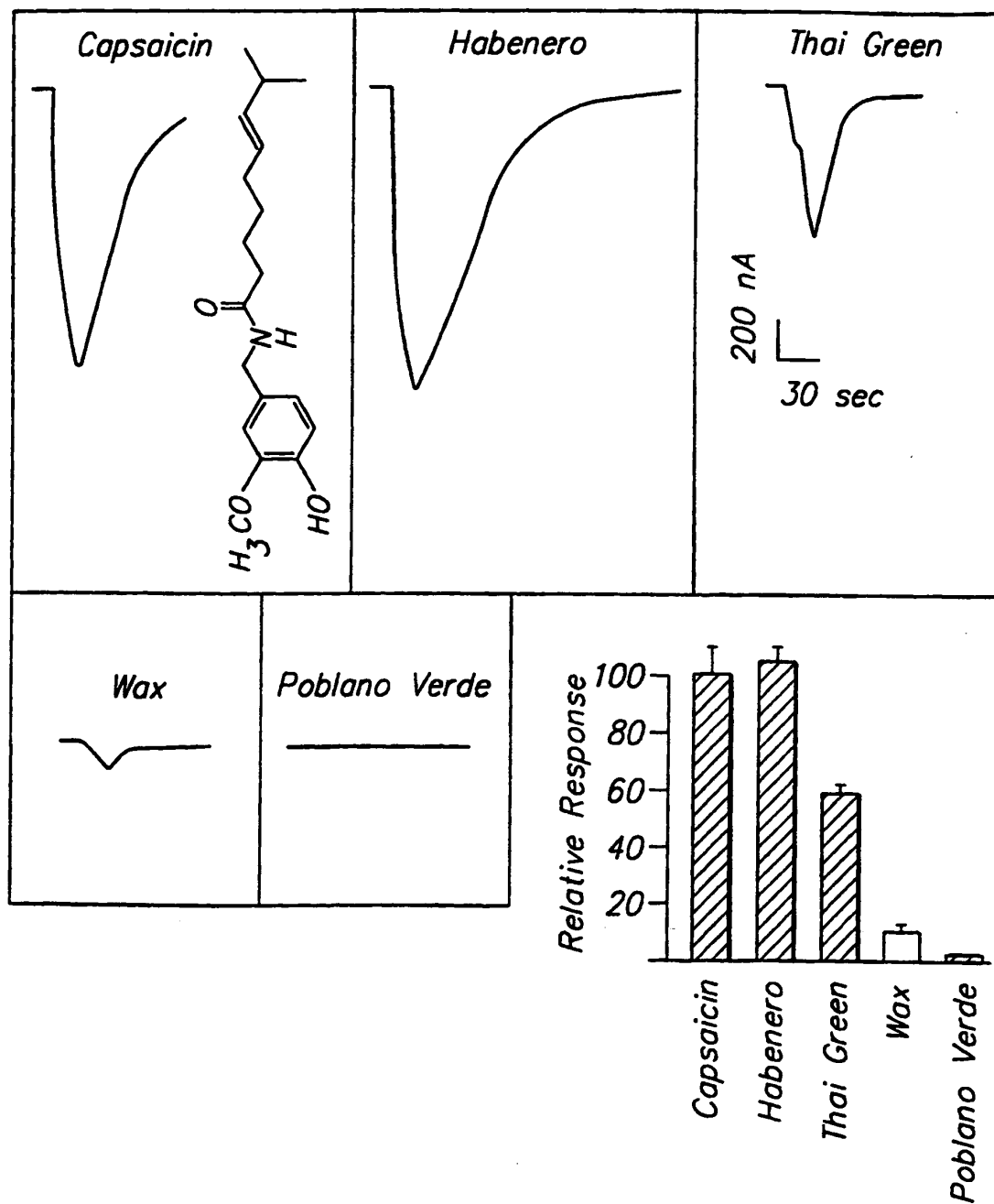


FIG. 11



05701-00000000



FOI# EOE82660

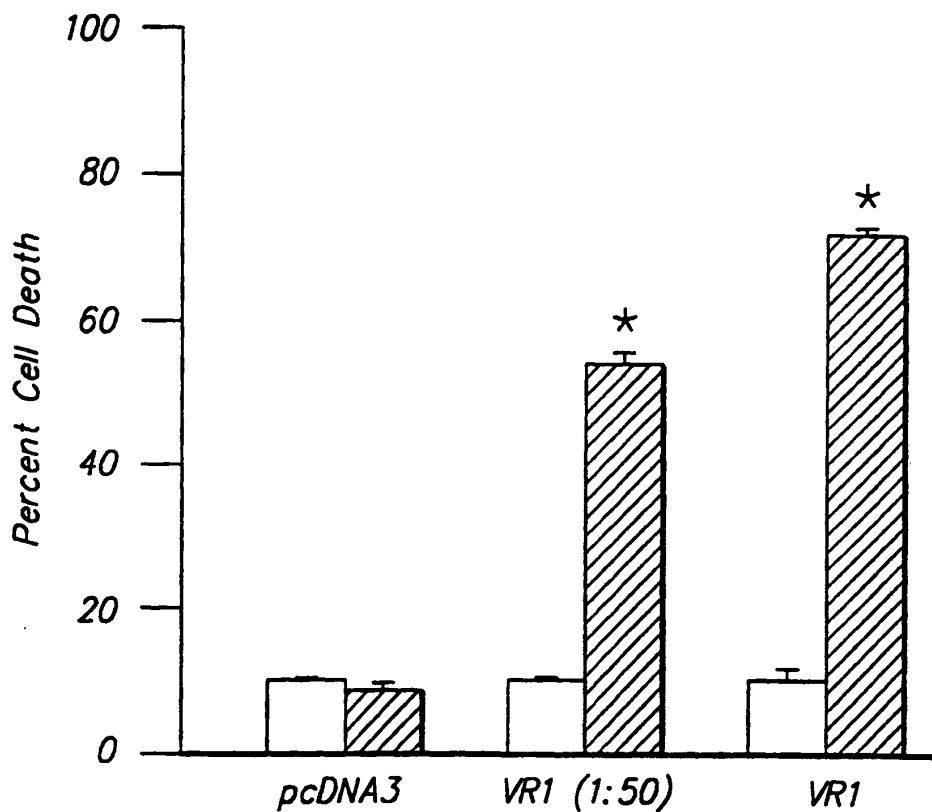


FIG. 12

FIG. 14

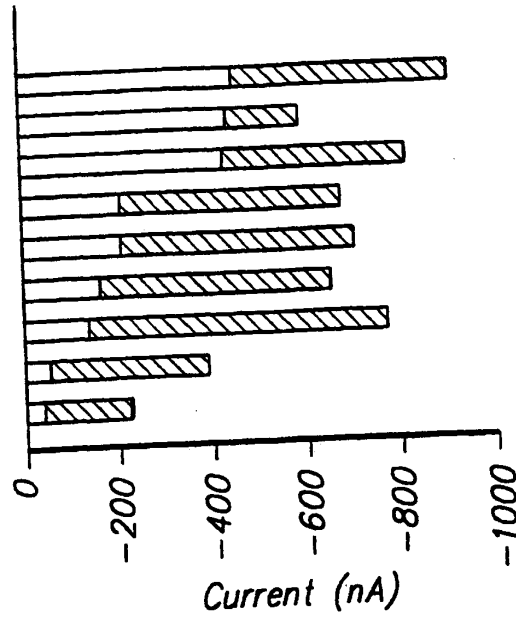


FIG. 13

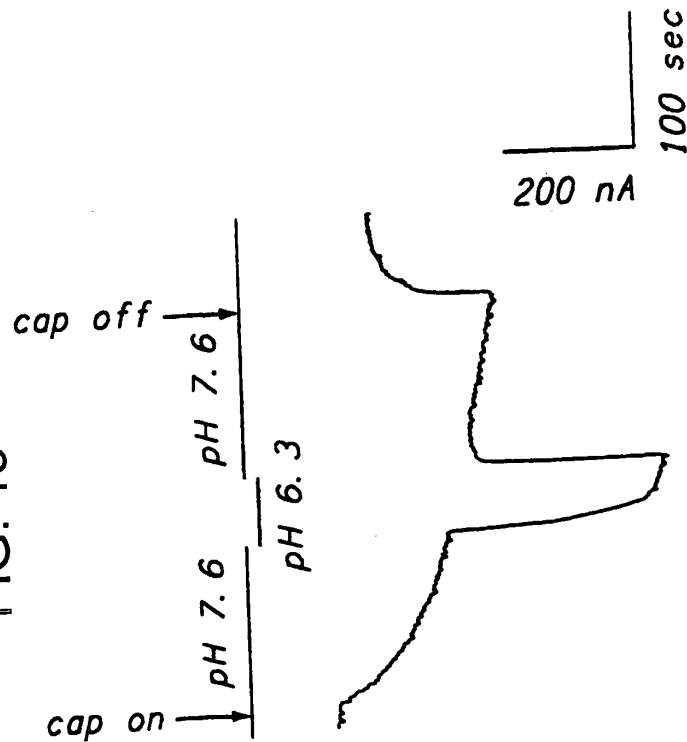
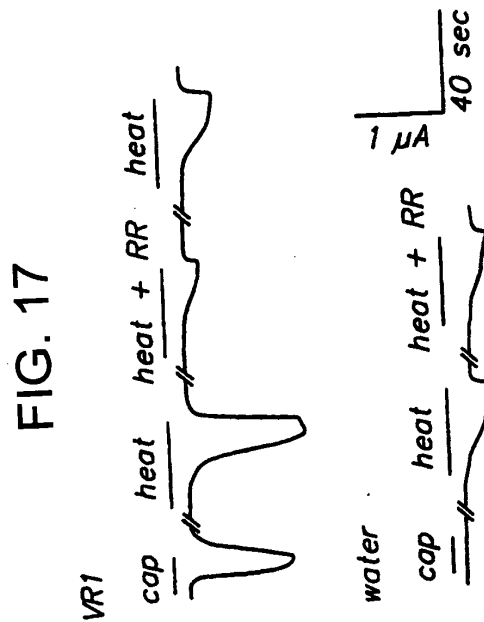
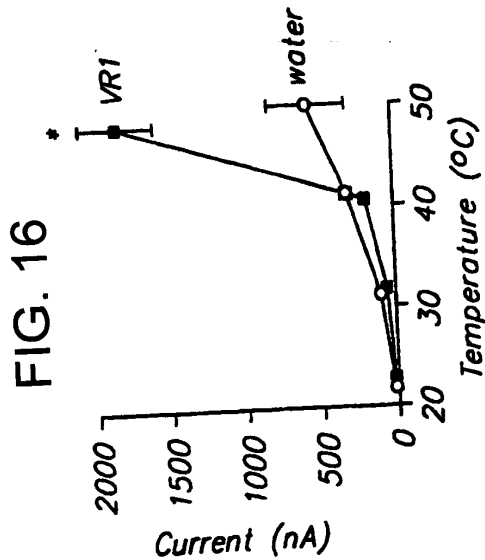
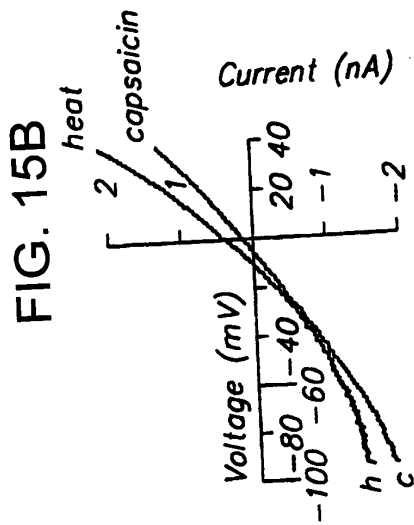
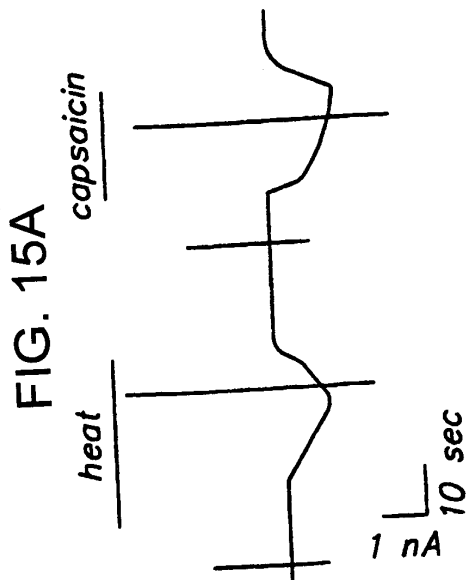


FIG. 15A



FOIA b 7 - EXEMPT

FIG. 18

